

Name: _____
The Academy of Charter Schools

Date: _____
Class: _____

Sinking or Floating Lab

Question: How can adding salt to warm water affect the water's density?

Background Research:

Hypothesis:

Procedure:

1. **Material Manager** get the lab bin.
2. Pour 75 mL of warm water into a clear cup. (**Technician**)
3. Place a grape in the water. Observe and record what happens. (**Leader**)
4. Remove and dry the grape. (**Time Keeper**)
5. Add 1 teaspoon of salt to the water and mix. (**Material Manager**)
6. Place the grape back into the water. Observe and record what happens. (**Recorder**)
7. Repeat steps 3-5 until the grape floats. (take turns)
8. **Recorder**, add how many teaspoons it took your group to make the grape float on the class data table.

Data

Before Salt	With ____ teaspoons of salt
	

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Analysis:

1. How many teaspoon(s) of salt did you use to make your grape float? _____
2. Did every group use the same amount of salt to make their grape float? Explain.

3. How does adding salt to water affect the water's density?

Conclusion:

4. What can you conclude from this lab?
